

Title (en)
Device for steam reforming of hydrocarbons

Title (de)
Anlage zur Wasserdampfreformierung eines Kohlenwasserstoffs

Title (fr)
Dispositif de reformage à la vapeur d'eau d'hydrocarbures

Publication
EP 0921584 A3 19991027 (DE)

Application
EP 98120914 A 19981104

Priority
DE 19754012 A 19971205

Abstract (en)
[origin: EP0921584A2] Steam reformer comprises a plate stacking or tubular bundle type reactor unit containing a vaporizer (1), prereformer (2, 3), main reformer (4), CO remover (5, 6) and catalytic burner (7, 8). The prereformer is in direct heat contact with one of the vaporizer and the main reformer with the catalytic burner and the other with the CO remover via a heat-conducting separating agent.

IPC 1-7
H01M 8/06; **C01B 3/38**; **C01B 3/48**

IPC 8 full level
B01B 1/00 (2006.01); **B01J 19/24** (2006.01); **C01B 3/32** (2006.01); **C01B 3/38** (2006.01); **C01B 3/48** (2006.01); **C01B 3/58** (2006.01); **H01M 8/06** (2006.01); **H01M 8/0612** (2016.01)

CPC (source: EP US)
B01B 1/005 (2013.01 - EP US); **B01J 19/249** (2013.01 - EP US); **C01B 3/323** (2013.01 - EP US); **C01B 3/382** (2013.01 - EP US); **C01B 3/48** (2013.01 - EP US); **C01B 3/583** (2013.01 - EP US); **H01M 8/0631** (2013.01 - EP US); **B01J 2219/0002** (2013.01 - EP US); **B01J 2219/2453** (2013.01 - EP US); **B01J 2219/2462** (2013.01 - EP US); **B01J 2219/2492** (2013.01 - EP US); **C01B 2203/0233** (2013.01 - EP US); **C01B 2203/0283** (2013.01 - EP US); **C01B 2203/044** (2013.01 - EP US); **C01B 2203/047** (2013.01 - EP US); **C01B 2203/066** (2013.01 - EP US); **C01B 2203/0811** (2013.01 - EP US); **C01B 2203/0838** (2013.01 - EP US); **C01B 2203/0844** (2013.01 - EP US); **C01B 2203/0866** (2013.01 - EP US); **C01B 2203/1223** (2013.01 - EP US); **C01B 2203/1288** (2013.01 - EP US); **C01B 2203/143** (2013.01 - EP US); **C01B 2203/1604** (2013.01 - EP US); **C01B 2203/82** (2013.01 - EP US); **Y02E 60/50** (2013.01 - EP)

Citation (search report)

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- [A] PATENT ABSTRACTS OF JAPAN vol. 096, no. 001 31 January 1996 (1996-01-31)
- [DA] PATENT ABSTRACTS OF JAPAN vol. 095, no. 008 29 September 1995 (1995-09-29)

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